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A project designed to permit people from different disciplines to locate and retrieve rapidly, and as specifically as possible, all items in a slide collection that fill their specific needs, is the subject of this paper. A field-test of the system for 35mm slides used within the fields of Art, History, Literature and Drama yielded the following main conclusions: that the system is possible and practical; that slide collections should not be limited to one subject area since they tend to have application in more than one discipline; that these collections are most useful when designed to permit a user to locate items using terminology he is familiar with; that the system is easy to use, is compatible with any shelving or cataloguing system, and can be used either with a computerized or manual retrieval system; and, finally, that there is still a great deal of work to be done to refine and perfect the system. (GO)

NUMBER 4

THE DEVELOPMENT OF A RETRIEVAL SYSTEM FOR 35mm. SLIDES UTILIZED IN ART AND HUMANITIES INSTRUCTION

ROBERT M. DIAMOND

MARCH 1969

FINAL REPORT

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March 1969

U. S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE

OFFICE OF EDUCATION

BUREAU OF RESEARCH

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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THE DEVELOPMENT OF A RETRIEVAL SYSTEM FOR 35MM SLIDES UTILIZED IN ART AND HUMANITIES INSTRUCTION

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March 1969

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U. S. Department of
Health, Education, and Welfare

Office of Education

Bureau of Research

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The director of this project would like to express his appreciation to the large number of individuals who have assisted in the development of this report. Particular thanks to David Smith for his assistance on slides dealing with architecture; to the subject matter specialists, Kenneth Cutler, William Proweller, J. Carter Rowland, Marlene Lindquist; and to Charlotte Clarke and Rosemary Campbell for their clerical assistance.

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INTRODUCTION

This report represents the first phase of a major project to develop and field-test a functional search and retrieval system for 35mm slides used within the fields of Art, History, Literature and Drama. Therefore, the results of this project should be considered a finished part of the broader, long range program. The objectives of Phase I were three-fold:

1. To evolve a logic and rationale for a retrieval system that would permit the different disciplines to utilize a single 35mm slide collection.
2. To develop a prototype list of identifiers that would meet the requirements of the different subject fields. (For the purpose of this project an identifier is defined as one of a series of terms that can be used to describe a given slide for retrieval purposes.)
3. To test the general practicability and logic of the system by assigning these identifiers to a random selection of approximately 150 slides.

It is anticipated that later projects will expand and field-test the practicality of the approach developed in this report.

The system developed in this project is designed for search and retrieval and should <u>not</u> be confused with a shelving or cataloging system. Therefore, while some of the terms used are identical and while both systems are designed to assist the user, the basic approach between this project and the shelving system

being developed by Simons and Tansey,[1] differ considerably. A shelving system, while usually designed to assist a person in searching for materials, is primarily an organization system for item cataloging. These may range from the Library of Congress and Dewey Decimal systems to the general approach used in the yellow pages of a phone book. A search and retrieval system, on the other hand, is designed to permit the user to locate with a minimum of time and effort, any item in a collection that meets his specific needs. For example, while a single slide will have one shelving or cataloging number, it may have as many as thirty or more retrieval numbers each indicating a specific element of its content. The Simons and Tansey report does propose a new approach to slide shelving and cataloging but does not solve some of the unique problems in slide retrieval. For maximum utilization of materials, a combination of the two systems, each serving a specific need, may be logical.

As noted earlier, the system developed in this project is primarily designed to permit individuals from different disciplines to locate, rapidly and as specifically as possible, all items in a slide collection that fill their specific needs.

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[1]Wendell W. Simons and Luraine C. Tansey, A Universal Slide Classification System with Automatic Indexing (The University Library, University of California, Santa Cruz), 1969, 183 pps.

NEED

The last decade has seen a major increase in the use of instructional media. By 1962, 96% of all elementary and secondary schools reported owning slide-filmstrip projectors with nearly 100% having at least one motion picture projector.[2] This growth has not been limited to the public schools. Most institutions of higher learning now have instructional support units developed primarily to assist faculty in the selection and use of audiovisual techniques and materials. In a concerted effort to handle large numbers of students, many colleges and universities have embarked on a major building program. High priority in the majority of these cases is the construction of large lecture halls for hundreds of students, providing, for the first time, teaching spaces designed to effectively utilize all the media--film, slides, filmstrips, transparencies, television--for quality instruction.

Of all the available teaching aids, one of the most flexible and easily used is the slide projector. It is, therefore, somewhat surprising to find that when compared with other equipment in a national survey, this projector was next to last in both incidence and frequency of use in the public schools.[3] Even in those subject areas where 2 x 2" slides are ideally

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[2] Eleanor P. Godfrey, Audiovisual Programs in the Public Schools, Spring 1962, (Bureau of Social Science Research, Inc.), Washington 1964, p. 12.

[3] Ibid., p. 44.

suited for instruction, they are not being fully utilized. In this survey, less than one out of every five fine arts and social science teachers reported using slides.[4]

A key reason for this limited use has been the problem of accessibility. The number and scope of items in a slide collection create a major problem of cataloging. How can a large collection of slides of diverse utility be cataloged so as to permit retrieval of individual items with precision? Conventional cataloging systems are usually organized under a limited number of identifiers, thus restricting utilization by teachers from various disciplines. History teachers, for example, find it difficult to locate specific slides when filed in a collection developed by an art department; and a specialist in literature might wish to use a completely different series of categories from those of a historian. Therefore, while the slide might be the same, the titles under which it is filed will differ substantially, depending on the specific interest and needs of the individuals or departments doing the filing.

In the last few years there has been developed a search and retrieval logic that has been applied successfully to document cataloging in a variety of fields. The most comprehensive of these projects has been the development of the Office of Education's Education Research Information Centers. Under this project, a number of specialized information clearinghouses have been established and each, following an established

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[4] Ibid., p. 26.

guideline, has developed a set of identifying terms for use in its particular field.[5] A description of this general approach as used in a retrieval system for periodical literature will be found in Appendix D. With this process, it has become possible for an item to be crossfiled under a comprehensive list of identifiers permitting easy and quick retrieval by anyone using the system.

In summary, this project was designed to explore the practicability of applying this same basic search and retrieval logic to a collection of 35mm slides used by individuals from various subject areas. An approach that would permit users from various disciplines to locate slides that meet their unique needs with a minimum of time and effort.

PROCEDURE

Since the main emphasis of the project was to develop a set of guidelines for a search and retrieval system using the collection of 35mm slides, it was decided to limit the actual list of identifiers, as much as possible, to a single representative period. This system would then form the framework and logic for the development of a more comprehensive and complete set of identifiers. Seventeenth Century Europe (Hapsburg Empire, England, France, Germany and Italy) was selected arbitrarily to serve this purpose. When certain lists

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[5]"ERIC--Guidelines for the Development of a Thesaurus of Educational Terms," Office of Education, Washington, D. C., 1966.

were restricted by this specific period (artists, authors, etc.) the limitation was removed from the general list to permit a comprehensive system to be developed.

The following developmental procedure was followed:

1. Subject matter specialists from the fields of European History, Art History and 17th Century Literature developed a preliminary list of identifiers for their individual disciplines.
2. The three lists of identifiers were field-tested on a random sample of slides and then combined into a single system.
3. The list of identifiers and a description of the proposed retrieval logic was then sent to the Advisory Committee (see Appendix A) for reactions and feedback.
4. At a joint conference, the subject matter specialists and Advisory Committee reviewed the identifier list and finalized an overall strategy.
5. The individual items and general organization of the identifier list was then revised according to conference recommendations.
6. The final identifier list was, as the final step to this project, applied to a random sample of slides to evaluate the general feasibility of the proposed plan for an identifier assignment.

The problems faced by this group were unique and required a retrieval logic that, while it is being used by research libraries, has not yet been applied to non-book materials. It was, for example, apparent from the beginning, that each of the

three disciplines would often use entirely different terms and logic to search for an identical slide. This difference, as the project progressed, proved to be far more extensive than originally anticipated. For example, while the art specialist might be interested in the artist, technique, and media, the historian would focus on date of the subject, the activities being shown, and the historical relationship of the content. At the same time, the literature specialist would use the same slide to depict the social climate that existed during the developmental period of an author or to illustrate a particular sequence in a given novel.

A second major problem was one of dating. While the art field required the date of production, the other areas were more concerned with the date of the subject. For example, a slide produced in the 20th Century depicting a battle during the Civil War, would, for retrieval purposes, need to be filed under different dates to meet the needs of the various disciplines. The same type of discrepancy exists in location with the art instructor usually interested in place of production, while the historian and literature specialist prefer to identify the location of the area being shown.

It became apparent that if the system was to be developed it had to have the following capabilities:

1. *It had to be workable with various shelving systems that now exist.*
2. *It had to be compatible with either a computer based*

or manual retrieval system and thus be usable in major as well as minor slide collections.

3. *It had to be open-ended permitting individual collections with specialized interests to easily add new identifier terms.*
4. *It had to provide the capability for the various disciplines to use the same collection of materials without major limitations.*
5. *The system had to be easy to use with a retrieval logic that could readily be explained to the new user.*
6. *Once instituted, the system had to offer a minimum of operational problems.*

HOW THE SYSTEM WORKS

To facilitate use, the identifiers themselves have been divided into six major areas selected to follow a logical search sequence. These categories are as follows:

I. What is it (Applied Art, Architecture, Drawing, Painting, Sculpture, etc.)

II. Who made it (Artist)

III. When

- A. Date of Production
- B. Date of Subject

IV. Where

- A. Where Produced
- B. Location of Subject

V. Subject (Content and/or function, i.e., battle sites, general category of content, type of building, geographical, authors, type of portrait, type of weapons shown, etc.)

VI. Collection (Where now located)

While the identifiers selected for use on this pilot project are broad in scope and comprehensive, they are by no means complete. (See Appendix B.) As noted earlier, emphasis was placed on developing a logic that would work rather than on a specific, comprehensive list of content identifiers. A more comprehensive list of content identifiers will be found in the Simons and Tansey[6] report.

For retrieval purposes, each identifier is given an identification number. These numbers precede the terms in Appendix B and while arbitrary, must be assigned and used for simple retrieval. For example:

28 - Drawing	31 - Pastel
29 - Charcoal	32 - Sanguine
30 - Pencil	33 - Silver-point

The use of identification numbers is described in detail later in describing the retrieval of slides, on pages 11 and 12.

To handle the critical problem of dates--when produced and the date of the subject--a simple but extremely efficient system

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[6]Wendell W. Simons and Luraine C. Tansey, A Universal Slide Classification System with Automatic Indexing, (The University Library, University of California, Santa Cruz), 1969, 183 pps.

has been evolved. Each area is handled separately but in an identical manner. The only item that differs is the identifier identification numbers for date of production and date of subject.

Identification by individual years becomes possible with the use of three identification terms:

1 - BC or AD

2 - Century (1-20)

3 - Year (0-99)

Thus, the year 1857 would be obtained by combining AD with 19th Century and the year 57. If an individual library wished also to permit broader searching by ten year intervals, this could be done by simply adding to the system identifier terms and identification numbers for 0-9, 10-19, 20-29, etc. When a painting was produced over several years, the mid-year has been arbitrarily used for the date of production.

Adding Identifiers

One advantage of the proposed system is that additional identifier terms can be easily added by an individual library or on a national level. For example, in an earlier draft of the identifier list used in this project, the type of media used in painting and sculpture were omitted. The new terms were added, placed in the system in their proper position, and assigned the next available identifier numbers. The painting area now appears as follows:

35 - Painting

36 - Ceiling (dome)

37 - Miniature

38 - Mural (wall)

39 - Portable

Media

668 - Oil

669 - Tempera

670 - Watercolor

671 - Other

By this process, specialized collections can add detailed identifiers to meet their unique needs and new terms as they become accepted can also be included. It should be noted, however, that experiences with other retrieval systems have indicated that the fewer the number of terms in a system, the easier it is for most individuals to use.

Placing a Slide in the System

Upon acquisition each slide is assigned the maximum number of identifier terms that describe its characteristics. For example, a hypothetical oil portrait by the Spanish artist, Alonso Caro, produced in 1665 of the French King Francis II (1559-60), might be assigned the following terms: (For the purpose of this example, the king is dressed in his regalia and some of the regal jewelry is clearly pictured.)

3 - Clothing	376 - 59
7 - Jewelry	422 - Europe & Mediterranean Basin
35 - Painting	430 - Iberian Peninsula
668 - Oil	455 - Europe & Mediterranean Basin
147 - Alonso Caro	460 - Gaul/France
174 - AD	499 - Figure
191 - 17th Century	500 - Kings and Executives
260 - 65	586 - Portrait
296 - AD	587 - Single
312 - 16th Century	516 - British Museum, London

In the above example, the identifiers 174 (AD), 191 (17th Century), and 260 (65) combine to give the date of production, 1665. The next three identifiers, 296 (AD), 312 (16th Century), and 376 (59) generate the date of the subject, 1559. If Francis II had played a key role in a piece of poetry (560), written in sonnet form (563) by Lesage (547), these additional terms would have been added.

To assure proper assignment of identifiers, it is proposed that a specialist from each of the three fields (Art, History, and Literature) be involved in the assignment process for each slide in the collection. A tentative list of assigned identifiers for a random sample of slides will be found in Appendix C.

Slide Retrieval

The logic of locating slides in a collection is relatively simple with this technique. An art historian wishing to find

all aerial views of cathedral domes built in France during the 17th Century would simply combine (18) aerial view, (19) domes, (174) AD, (191) 17th Century, (427) Gaul/France, and (491) churches and temples. A historian seeking illustrations of transportation used in the cities during the same period would use the date of the subject identifiers (296) AD, (313) 17th Century, plus (494) cities, towns and villages, and (597) transportation. A specialist in literature would combine the name of the author and the term "portrait" (586) to locate any slides of the individual in question. The major advantage of this system is that it permits the user to utilize any combination of terms he requires to locate all the slides in the collection that meet his specific needs.

This approach is designed to work with either a computer-based or manual retrieval system. In a computerized system, the user would simply type in his list of identifiers 18-19-174-191-427-491 (for our art historian seeking aerial views of 17th Century cathedral domes) and the computer would print out a list of all slides in the collection that meet his requirements. The print-out could simply be a shelving number and title or include additional descriptive information. Several members of the Advisory Committee felt that having available to the user the complete list of identifiers under which a slide is cataloged would provide an additional instructional function proving particularly valuable to those using the collection for research purposes.

While less sophisticated, the alternative manual or optical retrieval system does permit almost every slide library to install an operational retrieval system within the range of most budgets. The total cost of equipment for most systems of this type is under $2,000. In an optical system, a series of identifier cards are manually combined to indicate those slides in the system which meet the user's requirements. The major limitations of the manual retrieval system are two-fold: First, since each identifier card can accommodate a maximum of 10,000 items, larger collections require subdivision. Second, since only numbers can be used for individual slide identification, the system requires either that the slides be numbered by acquisition or that a system be available to translate the numbers used in the optical retrieval system to the shelving system used in the collection. A detailed description of the optical retrieval system as used in the retrieval of research documents will be found in Appendix D.

CONCLUSIONS

1. That slide collections should be broad in concept and not be limited to a single subject area since the slides tend to have application in more than one discipline.
2. That the application of retrieval logic in a multidisciplinary collection of slides serving art, literature and history is possible and practical.
3. That the differences between disciplines regarding terms used in slide content identification were far

greater than previously believed with far less duplication than first anticipated.

4. That these differences, although very real, will not inhibit the implementation of a retrieval system, although the development sequence of identifier terms must be modified to insure inclusion of terms designed to meet the need of each discipline.

5. That a slide collection will have maximum utilization only when it is designed to permit the user to locate items using the terminology he is familiar with.

6. That the search and retrieval system and logic developed in this project will facilitate maximum collection utilization by:

   a. Permitting a user to locate, with a minimum of time and effort, those slides in a collection that meet his individual needs.

   b. Permitting individuals from different subject fields to utilize the terminology of their own discipline.

   In addition, the system is easy to use, compatible with any shelving or cataloging system, and designed for use with either a computerized or manual retrieval system.

7. That further and desired refinement of the identifier lists will entail many man-hours of expert opinion, extensive cross referencing, professional validation, and extensive data searching.

RECOMMENDATIONS

35mm slides are a major instructional resource serving teachers, students and researchers. Cataloging and retrieving problems have, however, seriously limited utilization, with most collections designed to serve only a small portion of the potential users. The following recommendations are being made to facilitate maximum utilization of these collections with a minimum of duplicated effort:

1. That a national interdisciplinary system of slide labeling and shelving be established for use by both libraries and commercial publishers.
2. That a national list of content identifiers be established along the guidelines and logic developed in this project and that all the disciplines using slide collections be involved in the developing of this list.
3. That, to facilitate utilization, separate identifier lists be developed for those collections that lend themselves to separation (Far Eastern, Primitive, etc.).
4. That before national adaption, the filing and search and retrieval systems be field-tested in representative collections serving different populations.
5. That, once an accepted list of identifiers is established, a series of cooperative projects be supported to assign identifiers to individual slides and/or collections, and that these projects generate a series of publications that would include shelving numbers and specific identifier assignments.

APPENDIX A

List of Participants

First Draft of System and

Sample Pages Identifier List

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SLIDE IDENTIFIERS - 17TH CENTURY (First Draft - 9/30/68)

The attached draft list of slide identifiers has been developed for the fields of Art, History and Literature and are limited to the 17th Century. It should be noted, however, that while some categories are limited solely to this period (dates, some locations, writers and artists, etc.) others are more general and would be appropriate to most slides found in major collections. These latter identifiers would include those under the more general headings, such as geographical, content, form, materials, subject, etc.

Under this system, specialists in the three disciplines assign to each slide those specific identifiers that are appropriate to their field. For example, an oil painting of a street scene in England showing a cathedral might be given the following identifiers:

1, 2, 3	(1600 to 1629)
22	Stuart England
51	Cities
53	Churches and temples
102	Shakespeare (if the location was relevant to one of his plays)
189	Painting
211	Genre
241	Realism
320	Nicholas Stone (the artist)

In the retrieval system that will be used, any one of these terms or combination of these terms would identify this

particular slide. An art historian would have it identified if he were seeking a Genre oil painting of an early 17th Century city in England, as would an English teacher searching for slides related to Shakespeare.

The search and retrieval system itself will be described in more detail in the final report.

The main purpose of the Advisory Committee meeting will be two-fold:

1. To make revisions in the present identifier list. (The system itself will be field-tested on a selection of slides during this meeting.) It should be noted that a system such as this is highly flexible, permitting additional terms to be added as needed. Prior to this meeting, advisors should not only check specific terms but the general headings for their subject area.
2. To make recommendations for Phase II of this project. Phase II should include expansion and field-testing of this system. The revised identifier list will be applied, following the Advisory meeting, to approximately 500 slides selected for this purpose. An attempt will be made to have these slides as representative as possible.

IDENTIFIERS - 17th CENTURY
(9/30/68)

GENERAL

0 - Detail or Section

Chronological (Date of Subject)

1. 1600-1609
2. 1610-1619
3. 1620-1629
4. 1630-1639
5. 1640-1649
6. 1650-1659
7. 1660-1669
8. 1670-1679
9. 1680-1689
10. 1690-1699

HISTORY

Geographical

11. coasts
12. deserts
13. hills and mountains
14. icebergs and glaciers
15. island
16. lakes
17. plains and plateaus
18. rivers and swamps
19. seas and oceans
20. valleys
21. volcanoes

Locational Identifiers

22. Stuart England, Scotland, and Dependencies
23. Commonwealth and Protectorate England
24. Bourbon France
25. Portugal
26. Hapsburg Domains
    27. Hapsburg Portugal
    28. Hapsburg Spain
    29. Hapsburg Netherlands
    30. Hapsburg Kingdom of the Two Sicilies
    31. Hapsburg Duchy of Milan
    32. Hapsburg France Comte
    33. Hapsburg Austria & East European Dependencies
34. Papal States
35. Italian City-States exclusive of Papal and Hapsburg lands
36. Swiss Confederation
37. United Provinces (Protestant Netherlands)
38. Hohenzollern Brandenburg-Prussia
39. Holy Roman Empire Exclusive of Hapsburg and Hohenzollern lands.

Content Identifiers

Individuals

40. Kings and executives
41. Queens and first ladies
42. Royal relatives and court
43. Ministers and cabinet
44. Members of parliament, congress, etc.
45. Clerics
46. Bureaucrats
47. Military or naval
48. Novelists, poets and playwrights
49. Scientists, philosophers
50. Artists, sculptors, architects
51. Other

Places and Objects

52. Cities
53. Towns or villages

Buildings

54. Palaces and executive residences
55. Government buildings (e.g., houses of parliament, mints, penal institutions, etc.)
56. Museums, libraries, and universities
57. Merchantile establishments/shops
58. Churches and temples
59. Fortresses and armories
60. Non-royal habitations

61. Battlesites
62. Weaponry
    63. Armor for man and beast
    64. Hand weapons
    65. Artillery or missiles
    66. Warships
    67. Aircraft
    68. Machines and tools
    69. Mines or factories
    70. Livestock
    71. Military transportation
        72. Air
        73. Sea
        74. Land
    75. Non-military transportation
        76. Air
        77. Sea
        78. Land

Communications

79. Roads
80. Bridges
81. Electronic

Recreational

82. Coliseums, amphitheaters, stadiums
83. Theaters
84. Parks

APPENDIX B

35mm SLIDE CONTENT IDENTIFIER LIST AND IDENTIFICATION NUMBERS

35mm SLIDE CONTENT IDENTIFIER LIST AND
IDENTIFICATION NUMBER

(Specific artists and authors limited to 17th Century)

MAJOR HEADINGS

I. What Is It

II. Who Made It

III. When

A. Date of Production

B. Date of Subject

IV. Where

A. Where Produced

B. Location of Subject

V. Subject (Content and/or Function)

VI. Collection

I. <u>What Is It</u>

0-Detail or Section

1-Applied Art
- 2-Clocks
- 3-Clothing
- 4-Coins and Seals
- 5-Frames
- 6-Furnishings
- 7-Jewelry
- 8-Manuscript
- 9-Maps
- 10-Medals
- 11-Military
- 12-Monuments or Shrines
- 13-Tapestry
- 14-Textiles
- 15-Tombs or Cemeteries
- 16-Utensils

17-Architecture and Engineering
- 18-Aerial view
- 19-Domes
- 20-Elevation
- 21-Floor plan
- 22-Landscaping (gardens)
- 23-Steeples
- 24-Town-planning

25-Calligraphy
- 26-Letter-press

27-Cartography

28-Drawing
- 29-Charcoal
- 30-Ink
- 31-Pencil
- 32-Pastel
- 33-Sanguine
- 34-Silver-point

35-Painting
- 36-Ceiling (dome)
- 37-Miniature
- 38-Mural (wall)
- 39-Portable

35-Painting (con't.)
- Media
  - 668-Oil
  - 669-Tempera
  - 670-Watercolor
  - 671-Other

40-Printmaking
- 41-Dry-point
- 42-Etching
- 43-Lithography
- 44-Mezzotint
- 45-Photogravure
- 46-Silk-screen
- 47-Woodblock
- 48-Wood engraving

49-Sculpture
- 50-Free-standing
- 51-Miniature
- 52-Relief
  - Media
    - 672-Casting (cire Perdue)
    - 673-Clay
    - 674-Stone
    - 675-Wood

53-Other

II. Who Made It

ARTISTS

Flanders

54-Bernt, Osias (1596-1625)
55-Brill, Paul (1554-1628)
56-Brouwen, Adraen (1605-1638)
57-Bruegel, Jan (Velvet) (1568-1625)
58-de Mompen, Joor (1564-1655)
59-de Vos, Cornelis (1585-1651)
60-du Quesnoy, Francois (1594-1642)
61-Faydherbe, Lucas (1617-1697)
62-Francart, Jacques (1582-1651)
63-Fyt, Jan (1611-1661)
64-Huyssens, Brother (1577-1637)
65-Jordaens, Jacob (1593-1678)
66-Quellin, Artur the Elder (1609-1668)
67-Rombouts, Theodore (1597-1637)
68-Rubens (1577-1640)
69-Siberechts, Jan (1627-1703)
70-Snyders, Frars (1579-1657)
71-Teniers, David (1610-1690)
72-Van Dyck (1599-1641)
73-van Hees, Father Willem (1601-1690)
74-Van Thulden, Theodoor (1606-1676)

France

75-Ballange, Jacques (c. 1600-1617)
76-Callot, Jacques (1592-1635)
77-Chateau of Vaux le Vicomte (1656-1660)
arch. - LeVau (1612-1670)
78-de Champaigne, Philippe (1602-1674)
79-de la Tour, Georges (1593-1652)
80-de Lattyre, Laurent (1606-1659)
81-Guillain, Simon (1581-1658)
82-Le Muet, Pierre (1591-1669)
83-Le Nain, Antoine (1588-1648)
84-Le Nain, Louis (1593-1645)
85-Le Nain, Mathieu (1607-1677)
86-Le Sueur, Eustache (1616-1655)
87-Lorrain, Claude (1600-1682)
88-Luxembourg Palas - Paris (1615-1625)
arch. Solomon de Brosse (1565-1628)
89-Mansurt, Francois (1598-1666)
90-Pizet, Pierre (1620-1694)
91-Poussin, Nicholas (1594-1660)
92-Sarrazin, Jacques (1588-1660)
93-Tournier, Robert (1604-1670)
94-Vignon, Claude (1593-1670)
95-Volet, Simon (1590-1649)

II. ARTISTS

Holland and England

96-Berchem, Claer (1620-1683)
97-Bosschaest, Ambrosius the Elder (1568-1621)
98-Cuyp, Albert (1620-1691)
99-de Hooch, Pieter (1629-1684)
100-de Keyser, Thomas (1597-1667)
101-Elsheimer, Adam (1578-1610)
102-Hals, Frans (1580-1666)
103-Heda, Claesz (1594-1682)
104-Jones, Inigo (1573-1652)
105-Lely, Sir Peter (1618-1680)
106-Leyster, Judith (1609-1660)
107-Miereveld (1567-1641)
108-Potter, Paulus (1625-1654)
109-Rembrandt (1606-1669)
110-Saenredam, Pieter (1567-1665)
111-Steen, Jan (1626-1679)
112-Stone, Nicholas (1586-1647)
113-Ter Borch, Gerard (1617-1681)
114-Terbrugghen, Hendrick (1588-1629)
115-Uytewael, Joachim A. (1566-1638)
116-van Beijeran, Abraham (1620-1675)
117-van der Helst, Bartholomeus (1613-1671)
118-van der Heyden, Jan (1637-1712)
119-van Everdinger, Alaent (1621-1670)
120-Van Goyan, Jan (1596-1656)
121-Van Honthorst, Gerard (1590-1656)
122-van Laer, Pieter (1592-1642)
123-van Ostade, Adriaen (1610-1685)
124-van Ruisdal, Jacob (1628-1682)
125-Vermecs, Johannes (1632-1675)

Italian

126-Albani, Francesco (1578-1660)
127-Baschenis, Evaristo (1617-1677)
128-Bernini (1598-1680)
129-Borromini (1599-1667)
130-Caravaggio (1573-1610)
131-Carracci, Agustino
132-Carracci, Annibale
133-Carracci, Lodovico
134-Crespi, Daniele (1598-1630)
135-da Cortona, Pietro (1590-1669)
136-Domenichino (1581-1641)
137-Feti, Domenico (1589-1623)
138-Gentileschi, Orazio (1563-1644)
139-Guercino (1591-1666)

II. ARTISTS

Italian (continued)

140-Longhena (1598-1682)
141-Maderna, Carlo (1556-1629)
142-Manfred, Bartolomeo (1580-1620)
143-Reni, Guido (1575-1642)
144-Serodine, Giovanni (1600-1630)
145-Struzzi, Bernardo (1581-1644)

Spain

146-Bautista, Herman F. (1622-1665)
147-Caro, Alonso (1601-1667)
148-Cotan, Fray Juan Sanchez (1561-1627)
149-de Herrera, Juan
150-de Toledo, Bautista
151-El Greco (1541-1614)
152-Fernandez, Gregorio (1576-1636)
153-Gomez de Mora, Juan (1586-1648)
154-Leal, Juan Valdes (1622-1690)
155-Montanes, Juan Martinez (1586-1649)
156-Murillo (1617-1682)
157-Ribalta, Francisco (1565-1628)
158-Ribera (1591-1652)
159-Velasquez (1599-1660)
160-Zurburan (1598-1664)

Versailles

161-Coysevox, Antoine (1640-1720)
162-de Busse, Solomon
163-de Cotte, Robert
164-Girardon, Francois (1628-1715)
165-Gobelin tapestries
166-le Brun, Charles (1619-1690)
167-Lemercien, Jacques (1585-1654)
168-Le Notre
169-Le Vav
170-Mansant, Jules Hardouin
171-Mansart, Francois
172-Puget, Pierre (1620-1694)

III. When

A. Date of Production

173-BC
174-AD

Century

175-1
176-2
177-3
178-4
179-5
180-6
181-7
182-8
183-9
184-10
185-11
186-12
187-13
188-14
189-15
190-16
191-17
192-18
193-19
194-20

Year

195-00
196-01
197-02
198-03
199-04
200-05
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202-07
203-08
204-09
205-10
206-11
207-12
208-13
209-14
210-15
211-16
212-17
213-18
214-19
215-20

III. Date of Production

Year (continued)

216-21
217-22
218-23
219-24
220-25
221-26
222-27
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225-30
226-31
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260-65
261-66
262-67
263-68

III. Date of Production

Year (continued)

264-69
265-70
266-71
267-72
268-73
269-74
270-75
271-76
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273-78
274-79
275-80
276-81
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291-96
292-97
293-98
294-99

B. Date of Subject

295-BC
296-AD

Century

297-1
298-2
299-3
300-4
301-5
302-6
303-7

III. Date of Subject

Century (continued)

304-8
305-9
306-10
307-11
308-12
309-13
310-14
311-15
312-16
313-17
314-18
315-19
316-20

Year

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320-03
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329-12
330-13
331-14
332-15
333-16
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342-25
343-26
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345-28
346-29
347-30
348-31

III. Date of Subject

Century (continued)

Year

349-32
350-33
351-34
352-35
353-36
354-37
355-38
356-39
357-40
358-41
359-42
360-43
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387-70
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389-72
390-73
391-74
392-75

III. Date of Subject

Century (continued)

Year

393-76
394-77
395-78
396-79
397-80
398-81
399-82
400-83
401-84
402-85
403-86
404-87
405-88
406-89
407-90
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413-96
414-97
415-98
416-99

IV. Where

A. Where Produced

417-North America
- 418-United States
- 419-Canada

420-Central America
421-South America
422-Europe and Mediterranean Basin
- 423-Asia Minor
- 424-Balkan Peninsula (Rumania/Bulgaria/Albania/Yugoslavia)
- 425-British Isles
- 426-Egypt
- 427-Gaul/France
- 428-Germany
- 429-Greece
- 430-Iberian Peninsula (B'aleric Islands/Azores)
- 431-Italy/Sicily
- 432-Northeast Europe (Poland/Czechoslovakia/Hungary/Baltic Republics)
- 433-Russia
- 434-Scandinavia (Iceland/Greenland/Finland)
- 435-Switzerland
- 436-Syria/Palestine

437-Sub-Saharan Africa
438-Near East
- 439-Arabian Peninsula
- 440-Asia Minor
- 441-Egypt
- 442-Iranian Plateau/Afghanistan
- 443-Syria/Palestine

444-Far East
- 445-China
- 446-Indian Sub-continent
- 447-Japan
- 448-Southeast Asia

449-Oceania

B. Location of Subject

450-North America
- 451-United States
- 452-Canada

453-Central America
454-South America
455-Europe and Mediterranean Basin

Location of Subject (continued)

456-Asia Minor
457-Balkan Peninsula (Rumania/Bulgaria/Albania/Yugoslavia)
458-British Isles
459-Egypt
460-Gaul/France
461-Germany
462-Greece
463-Iberian Peninsula (B'aleric Islands/Azores)
464-Italy/Sicily
465-Northeast Europe (Poland/Czechoslovakia/Hungary/Baltic Republics)
466-Russia
467-Scandinavia (Iceland/Greenland/Finland)
468-Switzerland
469-Syria/Palestine
470-Sub-Saharan Africa
471-Near East
472-Arabian Peninsula
473-Asia Minor
474-Egypt
475-Iranian Plateau/Afghanistan
476-Syria/Palestine
477-Far East
478-China
479-Indian Sub-continent
480-Japan
481-Southeast Asia
482-Oceania

V. Subject (Content and/or Function)

483 - Allegorical

484 - Battle sites

485 - Biblical - Religious

486 - Buildings
487-Palaces and executive residences
488-Government buildings (e.g., houses of parliament, mints, penal institutions, etc.)
489-Museums, libraries, and universities
490-Mercantile estabishments/shops
491-Churches and temples
492-Fortresses and armories
493-Non-royal habitations

V. Subject (Content and/or Function) (continued)

494-Cities, Towns and Villages

495-Communications
- 496-Bridges
- 497-Roads

498-Equestrian

499-Figure
- 500-Kings and executives
- 501-Queens and first ladies
- 502-Royal relatives and court
- 503-Ministers and cabinet
- 504-Members of parliament, congress, etc.
- 505-Clerics
- 506-Bureaucrats
- 507-Military and naval
- 508-Novelists, poets, and playwrights
- 509-Scientists, philosophers, educators
- 510-Artists, sculptors, architects
- 511-Other

512-Geographical
- 513-Coasts
- 514-Deserts
- 515-Hills and mountains
- 516-Icebergs and glaciers
- 517-Island
- 518-Lakes
- 519-Plains and plateaus
- 520-Rivers and swamps
- 521-Seas and oceans
- 522-Valleys
- 523-Volcanoes

524-Genre

525-Landscape

526-Literary
- Authors
- 527-Beaumont and Fletcher
- 528-William Burton
- 529-William Congreve
- 530-John Donne
- 531-John Dryden
- 532-Robert Herrick
- 533-Ben Jonson

Literary
Authors (continued)
534-Andrew Marvell
535-John Milton
536-Charles Sackville (Earl of Dorset)
537-Shakespeare
538-John Webster
539-William Wycherley
540-Calderon
541-Cervantes
542-Corneille
543-Juan Ruiz d'Alarcon
544-Giambattista Della Porta
545-Tirso de Molina
546-Lope de Vega
547-Lesage
548-Moliere
549-Racine
550-Flaminio Scala Commedia dell' Arte

Genre

551-Fiction
    552-Novel (pre)
    553-Short Story
    554-Travel literature
555-Non Fiction
    556-Biography
    557-Autobiography
    558-History
    559-Essay
560-Poetry
    561-Ode
    562-Elegy
    563-Sonnet
    564-Lyric
    565-Pastoral
    566-Narrative
    567-Epic
568-Drama
    569-Tragedy
        570-Staged
    571-Comedy
        572-Staged
    573-Tragi-Comedy
        574-Staged
    575-Masque
        576-Staged
    577-Opera
        578-Staged
    579-Heroic drama

580-Livestock

581-Machines and tools

582-Medical

583-Mines or factories

584-Musical

585-Mythological

586-Portrait
    587-Single
    588-Self Portrait
    589-Group

590-Recreational
    591-Coliseums, amphitheaters, stadiums
    592-Parks
    593-Theaters

594-Religious

595-Seascape

596-Still Life

597-Transportation
    598-Military
    599-Non-military
    600-Air
    601-Land
    602-Sea

603-Vanities

604-Weaponry
    605-Aircraft
    606-Armor-man or beast
    607-Artillery or missiles
    608-Hand weapons
    609-Warships

VI. Collection

Austria

610-Kunsthistorishes Museum, Vienna

Belgium

611-Museum of Fine Arts, Ghent
612-Royal Museum of Fine Arts, Brussels

Canada

613-National Gallery of Canada

Egypt

614-Egyptian Museum, Cairo

England

615-Ashmolean Museum, Oxford
616-British Museum, London
617-Sir John Soanes Museum, London
618-Tate Gallery, London
619-Victoria and Albert Museum, London
620-Wellington Museum, London

France

621-Barnes Foundation, Merion, Paris
622-Bibliothegre Nationale, Paris
623-Louvre, Paris
624-Musee Conde, Chantilly, France
625-Museum of Fine Arts, Dijon
626-Musie des Beaux-Arts, Bordeaux
627-Rodin Museum, Paris

Greece

628-Acropolis Museum, Athens
629-National Museum, Athens

Holland

630-Boymans Museum, Rotterdam

VI. Collection (continued)

Italy

631-Academy, Florence
632-Archaeological Museum, Florence
633-Borghese Gallery, Rome
634-Cathedral Museum, Siena
635-Museo della Terme, Rome
636-Museum Nazionale di Villa Giulin, Rome
637-National Museum, Florence
638-National Museum, Naples
639-Pitti Palace, Florence
640-Uffizi Gallery, Florence
641-Vatican Museum, Rome

Netherlands

642-Rijksmuseum, Amsterdam

Spain

643-Prado, Madrid

Sweden

644-National Museum, Oslo

United States

645-Art Institute of Chicago
646-Baltimore Museum of Art
647-Carnegie Institute, Pittsburgh
648-Detroit Institute of Art, Detroit
649-Fogg Art Museum, Harvard
650-Frick Museum, New York
651-Metropolitan Museum, New York
652-Metropolitan Museum, New York (Cloister Collection)
653-Museum of Fine Art, Boston
654-Museum of Modern Art, New York
655-National Gallery of Art, Washington, D. C.
656-Philadelphia Museum of Art
657-University Museum, Philadelphia
658-Wadsworth Atheneum, Hartford, Connecticut

U.S.S.R.

659-Hermitage Museum, Leningrad
660-Pushkin Museum, Moscow

West Germany

661-Capiloline Museum, Bonn
662-Central Museum, Utrecht
663-Kunsthalle, Hamburg
664-Pinakothek, Munich
665-Staedel Institute, Frankfort
666-Staetlich Antilcensammlungan, Munich
667-State Museums, Berlin

ADDENDUM

35mm SLIDE CONTENT IDENTIFIER LIST AND IDENTIFICATION NUMBER

Please add or change to the following:

I. What Is It

35 - Painting
680 - Diptych
681 - Triptych
Media
671 - Fresco
672 - Other

40 - Printmaking
683 - Engraving

49 - Sculpture
Media
673 - Casting (cire Perdue)
674 - Clay
675 - Stone
676 - Wood
682 - Metal

II. Who Made It

ARTISTS

Flanders
71 - Teniers, David (1610-1690) The Younger

France

77 - LeVan, Louis (1612-1670)
95 - Vovet, Simon (1590-1649)

Holland and England

678 - Wren, Sir Christopher
684 - de Gelder, Aert
685 - Metsu, Gabriel

Italian

686 - Guarini
687 - Fontana

II. Who Made It (con't.)

ARTISTS

Versailles

delete 169 - Le Vav
170 - Mansart, Jules Hardouin
171 - Patel, Pierre, The Elder

V. Subject

486 - Buildings
688 - Other

524 - Genre
679 - Historical Scenes

VI. Collection

France

delete 621 - Barnes Foundation

United States

621 - Barnes Foundation, Merion, Pennsylvania

APPENDIX C

TENTATIVE LIST OF ASSIGNED CONTENT IDENTIFIERS BY INDIVIDUAL SLIDE

NOTE: This is a first draft assignment of identifiers and should, therefore, be considered tentative.

NO. 1 TITLE St. Charles Borromeo Prays for the Plague-Stricken

IDENTIFIER TERMS

NO.		NO.	
612	Museum Fine Arts, Brussels	587	Single
		594	Religious
35	Painting		
95	Simon Vouet		
174	AD		
191	17th Cent.		
235	40		
427	Gaul/Fr.		
485	Bib./Rel.		
39	Portable		
668	Oil		
422	Europe		
296	AD		
310	14		
355	38		
401	84		
464	Italy		
486	Buildings		
491	Churches/temples		
499	Figure		
505	Cleric		
586	Portrait		

NO. 2 TITLE The Death of St. Bruno

IDENTIFIER TERMS

NO.		NO.	
35	Painting	589	Group
86	Le Sueur	594	Religious
174	AD		
191	17th Cent.		
243	48		
427	Gaul/Fr.		
485	Bib./Rel.		
623	Louvre		
39	Portable		
668	Oil		
422	Europe		
296	AD		
305	9		
306	10		
318	01		
464	Italy		
486	Buildings		
491	Churches		
499	Figure		
505	Clerics		
582	Medical		
586	Portrait		

NO. 3 TITLE The Adoration of the Shepherds

IDENTIFIER TERMS

NO.		NO.	
35	Painting	511	Other
79	delaTour, Geo.	586	Portrait
174	AD	589	Group
191	17th Cent.	594	Religious
239	44		
427	Gaul/Fr.		
485	Bib./Rel.		
623	Louvre		
39	Portable		
668	Oil		
422	Europe		
296	AD		
297	1st Cent.		
317	00		
455	Palestine		
486	Buildings (stable)		
494	Cities, Towns and Villages		
499	Figures		

NO. 4 TITLE Mary Magdalen with a Candle

IDENTIFIER TERMS

NO.		NO.	
35	Painting	494	Village
79	delaTour, Geo.		
174	AD	499	Figure
191	17th Cent.	511	Other
427	Gaul/Fr.	586	Portrait
485	Bib./Rel.	587	Single
623	Louvre, Paris		
39	Portable	594	Religious
668	Oil		
422	Europe		
526	Lit. Authors		
530	John Donne		
560	Poetry		
563	Sonnet		
296	AD		
297	1st Cent.		
317	00		
455	Palestine		
486	Buildings		

NO. 5 TITLE The Fortune Teller

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
79	delaTour,Geo.		
174	AD		
191	17th Cent.		
239	44		
427	Gaul/Fr.		
524	Genre		
651	Metropolitan		
422	Europe		
296	AD		
313	17th Cent.		
460	Gaul/France		
483	Allegorical		
486	Buildings		
490	Mercantile		
494	Town		
499	Figure		
511	Other		
586	Portrait		
589	Group		

NO. 6 TITLE The Peasants' Meal

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
84	LeNain		
174	AD		
191	17th Cent.		
237	42		
422	Europe		
427	Gaul/Fr.		
524	Genre		
623	Louvre,Paris		
296	AD		
313	17th Cent.		
460	Gaul/France		
483	Allegorical		
486	Buildings		
494	Cities		
499	Figure		
511	Other		
586	Portrait		
589	Group		

NO. 7 TITLE Peasants in a Landscape

IDENTIFIER TERMS

NO.			
35	Painting	512	Geographical
39	Portable	515	Hills
668	Oil	519	Plain
84	LeNain, L.	522	Valleys
174	AD	580	Livestock
191	17th Cent.	586	Portrait
237	42	589	Group
427	Gaul/Fr.		
524	Genre		
658	Wadsworth Ath.		
	Hartford,Conn.		
422	Europe		
296	AD		
313	17th Cent.		
460	Gaul/France		
483	Allegorical		
494	Cities,towns		
499	Figure		
511	Other		

NO. 8 TITLE Portrait of Cardinal Richelieu

IDENTIFIER TERMS

NO.			
35	Painting	311	15
39	Portable	359	42
668	Oil	460	Gaul/France
78	deChampaigne	483	Allegorical
174	AD	486	Buildings
191	17th Cent.	487	Palace
233	35-40	594	Religious
422	Europe		
427	Gaul/Fr.		
499	Figure		
505	Clerics		
586	Portrait		
587	Single		
623	Louvre		
3	Clothing		
14	Textiles		
296	AD		
310	14		
402	85		

NO. 9 TITLE The Rape of the Sabine Women

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
91	Poussin		
174	AD		
191	17th Cent.		
225	30		
427	Gaul/Fr.		
651	Metropolitan		
422	Europe		
679	Hist.Scene		
295	BC		
299	3rd Cent.		
464	Italy		
483	Allegorical		
486	Buildings		
488	Gov't Bldgs.		
499	Figures		
511	Other		
586	Portrait		
589	Group		

NO. 10 TITLE The Holy Family on the Steps

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
91	Poussin		
174	AD		
191	17th Cent.		
243	48		
427	Gaul/Fr.		
485	Bib./Rel.		
655	Nat'l Gallery		
422	Europe		
296	AD		
297	1st Cent.		
469	Syria/Palestine		
486	Buildings		
491	Temple/Churches		
499	Figure		
511	Other		
586	Portrait		
589	Group		
594	Religious		

NO. 11 TITLE Self-Portrait

IDENTIFIER TERMS

NO.			
35	Painting	510	Artist
39	Portable		
668	Oil		
91	Poussin		
174	AD		
191	17th Cent.		
245	50		
427	Gaul/Fr.		
588	Self-portrait		
623	Louvre,Paris		
422	Europe		
586	Portrait		
296	AD		
310	14		
311	15		
382	65		
460	Gaul/France		
494	Cities,towns		
499	Figure		

NO. 12 TITLE Sunrise

IDENTIFIER TERMS

NO.			
35	Painting	483	Allegorical
39	Portable	499	Figures
668	Oil	511	Other
87	Lorrain	512	Geographical
174	AD	515	Hills & mtns
191	17th Cent.	580	Livestock
243	48	586	Portrait
427	Gaul/Fr.	589	Group
525	Landscape		
651	Metropolitan		
422	Europe		
526	Lit.Authors		
535	Milton		
537	Shakespeare		
560	Poetry		
565	Pastoral		
296	AD		
313	17th Cent.		
460	Gaul/France		

NO. 13 TITLE Landscape with Sacrificial Procession

IDENTIFIER TERMS

NO.			
35	Painting	496	Bridges
39	Portable	497	Roads
668	Oil	499	Figure
87	Lorrain	505	Cleric
174	AD	512	Geographical
191	17th Cent.	515	Hills & mtns
267	72	520	Rivers
427	Gaul/Fr.	522	Valleys
525	Landscape	585	Mythological
645	Art Inst.Chicago		
422	Europe	586	Portrait
594	Religious	589	Group
526	Lit. Authors		
535	Milton		
560	Poetry		
565	Pastoral		
295	BC		
297	1st Cent.		
460	Gaul/France		
485	Bib/rel		
491	Churches/temples		
495	Communication		

NO. 14 TITLE Rubens and Isabella Brant

IDENTIFIER TERMS

NO.			
35	Painting	310	14
39	Portable	394	77
668	Portable	311	15
68	Rubens	357	40
174	AD	460	Gaul/France
191	17th Cent.	483	Allegorical
204	9-10	511	Other
422	Europe		
432	N.E.Europe		
499	Figure		
510	Artists		
586	Portrait		
588	Self-portrait		
664	Pinakothek		
3	Clothing		
14	Textiles		
526	Lit. Authors		
530	John Donne		
534	Andrew Marvell		
560	Poetry		
563	Sonnet		
296	AD		

NO. 15 TITLE Descent from the Cross

IDENTIFIER TERMS

NO.			
35	Painting	499	Figures
39	Portable	505	Cleric
668	Oil	506	Bureaucrats
68	Rubens	586	Portrait
174	AD	589	Group
191	17th Cent.	594	Religious
209	14		
422	Europe		
485	Bib./Rel.		
432	Northeast Eur.		
681	Triptych		
296	AD		
297	1st Cent.		
476	Palestine		
486	Buildings		
487	Palaces		
491	Temples		
495	Communication		
496	Bridges		

NO. 16 TITLE Portrait of Marchesa Brigida Spinola Doria

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
68	Rubens		
174	AD		
191	17th Cent.		
201	06		
422	Europe		
431	Italy		
499	Figure		
502	Royal		
586	Portrait		
587	Single		
655	Nat'l Gallery		
14	Textiles		
3	Clothing		

NO. 17 TITLE Rape of the Daughters of Leucippus

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
68	Rubens		
174	AD		
191	17th Cent.		
213	18th Cent.		
422	Europe		
679	Hist.Scene		
664	Pinakothek		
432	Northeast Eur.		
295	BC		
300	4th Cent.		
462	Greece		
483	Allegorical		
498	Equestrian		
499	Figure		
511	Other		
586	Portrait		
589	Group		

NO. 18 TITLE Charles I at the Hunt

IDENTIFIER TERMS

NO.			
35	Painting	296	AD
39	Portable	313	16
668	Oil	317	00
72	Van Dyck	366	49
174	AD	458	British Isles
191	17th Cent.	483	Allegorical
230	35	498	Equestrian
425	British Isles		
499	Figure		
500	Kings		
586	Portrait		
587	Single		
623	Louvre,Paris		
422	Europe		
3	Clothing		
526	Lit.Authors		
531	John Dryden		
535	John Milton		
555	Non Fiction		
559	Essay		
560	Poetry		
566	Narative		

NO. 19 TITLE Paola Adorno, Marchesa Brignole Sale, and Her Son

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
72	Van Dyck		
174	AD		
191	17th Cent.		
220	25-27		
431	Italy		
499	Figure		
502	Royal		

NO. 20 TITLE Self-Portrait

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
72	Van Dyck		
174	AD		
191	17th Cent.		
208	13		
432	Northeast Eur.		
588	Self-portrait		
610	Academy of F.A.		
586	Portrait		
422	Europe		
296	AD		
310	14		
416	99		
311	15		
358	41		
499	Figure		
510	Artists,sculptors, architects		

NO. 21 TITLE James Stuart, Duke of Richmond and Lennox

IDENTIFIER TERMS

NO.			
35	Painting	372	55
39	Portable	458	British Isles
668	Oil		
72	Van Dyck		
174	AD		
191	17th Cent.		
231	36-40		
425	British Isles		
499	Figure		
502	Royal		
586	Portrait		
587	Single		
651	Metropolitan		
422	Europe		
3	Clothing		
526	Lit.Authors		
531	John Dryden		
560	Poetry		
566	Narrative		
296	AD		
311	15		
329	12		

NO. 22 TITLE Allegory of Fecundit

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
65	Jordaens		
174	AD		
191	17th Cent.		
220	25		
422	Europe		
483	Allegorical		
612	Royal Museum		
432	Northeast Eur.		
526	Lit.Authors		
535	John Milton		
560	Poetry		
483	Allegorical		
499	Figures		
511	Other		
586	Portrait		
589	Group		

NO. 23 TITLE The King Drinks!

IDENTIFIER TERMS

NO.			
35	Painting	296	AD
39	Portable	313	17th Cent.
668	Oil	460	Gaul/France
65	Jordaens	483	Allegorical
174	AD	526	Lit.Authors
191	17th Cent.	537	Shakespeare
230	35	555	Non Fiction
422	Europe	568	Drama
499	Figure	558	History
612	Royal Mus.		
432	Northeast Eur.		
500	Kings & Exec.		
511	Other		

NO. 24 TITLE The Artist's Family

IDENTIFIER TERMS

NO.			
35	Painting	368	51
39	Portable	460	Gaul/France
668	Oil	510	Artist,sculp
59	deVos, C.		
174	AD		
191	17th Cent.		
216	21		
422	Europe		
499	Figure		
511	Other		
586	Portrait		
589	Group		
612	Royal Mus.		
432	Northeast Eur.		
3	Clothing		
296	AD		
312	15		
402	85		
313	17		

NO. 25 TITLE Martyrdom of St. Hadrian

IDENTIFIER TERMS

NO.			
35	Painting	589	Group
39	Portable	594	Religious
668	Oil		
74	Van Thulden		
174	AD		
191	17th Cent.		
228	33-35		
422	Europe		
485	Bib./Rel/		
432	Northeast Eur.		
296	AD		
302	6		
389	72		
412	95		
464	Italy		
486	Buildings		
487	Palaces		
491	Churches		
499	Figures		
505	Cleric		
511	Other		
586	Portrait		

NO. 26 TITLE The Hay Wain

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
69	Siberechts		
174	AD		
191	17th Cent.		
258	63		
422	Europe		
525	Landscape		
432	Northeast Eur.		
296	AD		
313	17th Cent.		
460	Gaul/France		
499	Figures		
511	Other		
580	Livestock		
586	Portrait		
589	Group		

NO. 27 TITLE The Larder

IDENTIFIER TERMS

NO.			
35	Painting	511	Other
39	Portable	586	Portrait
668	Oil	587	Single
70	Snyders		
174	AD		
191	17th Cent.		
218	23-25		
422	Europe		
596	Still-life		
612	Royal Mus.		
432	Northeast Eur.		
526	Lit.Authors		
535	John Milton		
560	Poetry		
565	Pastoral		
296	AD		
313	17th Cent.		
460	Gaul/France		
499	Figure		

NO. 28 TITLE Fruit and Game

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
63	Fyt		
174	AD		
191	17th Cent.		
245	50		
422	Europe		
596	Still-life		
432	Northeast Eur.		
526	Lit.Authors		
535	John Milton		
560	Poetry		
565	Pastoral		
296	AD		
313	17th Cent.		
460	Gaul/France		

NO. 29 TITLE The Smokers

IDENTIFIER TERMS

NO.			
35	Painting	586	Portrait
39	Portable	589	Group
668	Oil	590	Recreational
56	Brouwer		
174	AD		
191	17th Cent.		
230	35		
422	Europe		
524	Genre		
651	Metropolitan		
432	Northeast Eur.		
526	Lit.Authors		
537	Shakespeare		
568	Drama		
571	Comedy		
296	AD		
313	17th Cent.		
460	Gaul/France		
486	Buildings		
490	Shops		
499	Figures		
511	Other		

NO. 30 TITLE Flemish Kermess

IDENTIFIER TERMS

NO.			
35	Painting	590	Recreational
39	Portable		
668	Oil		
71	Teniers, D.		
174	AD		
191	17th Cent.		
247	52		
422	Europe		
524	Genre		
612	Royal Mus.		
432	Northeast Eur.		
296	AD		
313	17th Cent.		
460	Gaul/France		
486	Buildings		
490	Shops		
491	Churches		
499	Figures		
511	Other		
584	Musical		
586	Portrait		
589	Group		

NO. 31 TITLE Landscape with Two Oak Trees

IDENTIFIER TERMS

NO.			
35	Painting	511	Other
39	Portable	512	Geographical
668	Oil	515	Hills
120	Van Goyen	519	Plains
174	AD	522	Valleys
191	17th Cent.	586	Portrait
236	41	589	Group
422	Europe		
432	Northeast Eur.		
525	Landscape		
642	Rijksmuseum		
526	Lit.Authors		
537	Shakespeare		
568	Drama		
296	AD		
313	17th Cent.		
460	Gaul/France		
483	Allegorical		
499	Figures		

NO. 32 TITLE The Portuguese - Jewish Cemetery

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
124	Van Ruisdael		
174	AD		
191	17th Cent.		
250	55		
422	Europe		
432	Northeast Eur.		
525	Landscape		
645	Art Inst.		
526	Lit.Authors		
551	Fiction		
296	AD		
313	17th Cent.		
463	Portugal		
485	Bib/rel.		
596	Still Life		

NO. 33 TITLE View of Haarlem

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
124	Van Ruisdael		
174	AD		
191	17th Cent.		
250	55		
422	Europe		
432	Northeast Eur.		
525	Landscape		
642	Rijksmuseum		
526	Lit.Authors		
560	Poetry		
562	Elegy		
296	AD		
313	17th Cent.		
460	Gaul/France		
486	Buildings		
491	Churches		
512	Geographical		
519	Plains		

NO. 34 TITLE The Dam at Amsterdam

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
118	Van Der Heyden		
174	AD		
191	17th Cent.		
432	Northeast Eur.		
422	Europe		
525	Landscape		
642	Rijksmuseum		
296	AD		
313	17th Cent.		
460	Gaul/France		
486	Buildings		
490	Mercantile est.		
491	Churches		
499	Figures		
511	Other		
586	Portrait		
589	Group		

NO. 35 TITLE Interior, St. Lawrence, Alkmaar

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
110	Saenredam		
174	AD		
191	17th Cent.		
256	61		
422	Europe		
432	Northeast Eur.		
486	Building		
491	Churches		
630	Boymans Mus.		
296	AD		
313	17th Cent.		
460	Gaul/France		
499	Figure		
506	Bureaucrats		
594	Religious		

NO. 36 TITLE View of Delft

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
125	Vermeer		
174	AD		
191	17th Cent.		
422	Europe		
432	Northeast Eur.		
525	Landscape		
494	Cities		
597	Transportation		
602	Sea		
296	AD		
313	17th Cent.		
460	Gaul/France		
486	Buildings		
490	Mercantile est.		
491	Churches		

NO. 37 TITLE Young Woman with a Water Jug

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
125	Vermeer		
174	AD		
191	17th Cent.		
422	Europe		
432	Northeast Eur.		
524	Genre		
651	Metropolitan		
296	AD		
313	17th Cent.		
460	Gaul/France		
493	Non-royal habitations		
494	Cities		
499	Figure		
511	Other		
586	Portrait		
587	Single		
596	Still Life		

NO. 38 TITLE Interior with Skaters

IDENTIFIER TERMS

NO.			
35	Painting	589	Group
39	Portable	590	Recreational
668	Oil	592	Park
123	Van Ostade		
174	AD		
191	17th Cent.		
422	Europe		
432	Northeast Eur.		
524	Genre		
245	50		
642	Rijksmuseum		
537	Shakespeare		
568	Drama		
296	AD		
313	17th Cent.		
460	Gaul/France		
486	Buildings		
493	Non-royal habitations		
499	Figure		
511	Other		
586	Portrait		

NO. 39 TITLE Easy Come, Easy Go

IDENTIFIER TERMS

NO.			
35	Painting	493	Non-royal habitations
39	Portable		
668	Oil	499	Figures
111	Steen	511	Other
174	AD	586	Portrait
191	17th Cent.	589	Group
422	Europe		
256	61		
432	Northeast Eur.		
524	Genre		
630	Boymans Mus.		
526	Literary Authors		
529	Wm. Congreve		
571	Comedy		
568	Drama		
296	AD		
313	17th Cent.		
460	Gaul/France		
486	Buildings		

NO. 40 TITLE Banquet of the Officer of the St. George Guild (Det

IDENTIFIER TERMS

NO.			
0	Detail	460	Gaul/France
35	Painting	590	Recreational
39	Portable		
668	Oil		
102	Hals		
174	AD		
191	17th Cent.		
222	27		
422	Europe		
432	Northeast Eur.		
499	Figure		
507	Military		
586	Portrait		
589	Group		
526	Literary Authors		
537	Shakespeare		
568	Drama		
296	AD		
313	17th Cent.		

NO. 41 TITLE Lady Regents of the Old Men's Home (Detail)

IDENTIFIER TERMS

NO.			
0	Detail		
35	Painting		
39	Portable		
668	Oil		
102	Hals		
174	AD		
191	17th Cent.		
259	64		
422	Europe		
432	Northeast Eur.		
499	Figure		
511	Other		
586	Portrait		
589	Group		
3	Clothing		
296	AD		
313	17th Cent.		
460	Gaul/France		
499	Figure		
511	Woman		
586	Portrait		
587	Single		

NO. 42 TITLE La Bohemienne

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
102	Hals		
174	AD		
191	17th Cent.		
422	Europe		
432	Northeast Eur.		
586	Portrait		
587	Single		
623	Louvre, Paris		
537	Shakespeare		
568	Drama		
526	Literary Authors		
296	AD		
313	17th Cent.		
460	Gaul/France		
499	Figure		
511	Woman		
586	Portrait		
587	Single		

NO. 43 TITLE Self-portrait as a Young Man

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
109	Rembrandt		
174	AD		
191	17th Cent.		
422	Europe		
432	Northeast Eur.		
586	Portrait		
588	Self-portrait		
296	AD		
313	17		
323	06		
386	69		
460	Gaul/France		
499	Figure		
586	Portrait		
588	Self-portrait		
510	Artists, sculptors, architects		

NO. 44 TITLE Aristotle Contemplating Bust of Homer

IDENTIFIER TERMS

NO.				
35	Painting	295	BC	)
39	Portable	300	3	)
668	Oil	401	84	) Aristotle
109	Rembrandt	339	22	)
174	AD			)
191	17th Cent.	295	BC	)
248	53	305	9	) Homer
422	Europe	367	50	)
432	Northeast Eur.			
499	Figure			
509	Scientists, etc.			
586	Portrait			
587	Single			
652	Metropolitan			
3	Clothing			
14	Textiles			
462	Greece			
483	Allegorical			

NO. 45 TITLE Self-portrait

IDENTIFIER TERMS

NO.	
35	Painting
39	Portable
668	Oil
109	Rembrandt
174	AD
191	17th Cent.
264	69
422	Europe
432	Northeast Eur.
586	Portrait
588	Self-portrait
296	AD
313	17th Cent.
323	06
386	69
460	Gaul/France
499	Figure
510	Artists, sculptors, architects

NO. 46 TITLE The Jewish Bride

IDENTIFIER TERMS

NO.	
35	Painting
39	Portable
668	Oil
109	Rembrandt
174	AD
191	17th Cent.
260	65
422	Europe
432	Northeast Eur.
586	Portrait
589	Group portrait
642	Rijksmuseum
3	Clothing
14	Textiles
296	AD
313	17th Cent.
460	Gaul/France
499	Figure
511	Other

NO. 47 TITLE Still-life

IDENTIFIER TERMS

NO.	
35	Painting
39	Portable
668	Oil
103	Heda
174	AD
191	17th Cent.
229	34
422	Europe
432	Northeast Eur.
596	Still-life
630	Boymans Mus.
16	Utensils
526	Lit. Authors
535	Milton
560	Poetry
296	AD
313	17th Cent.
460	Gaul/France

NO. 48 TITLE The Gallery

IDENTIFIER TERMS

NO.	
35	Painting
36	Ceiling
38	Mural
671	Fresco
132	Carracci, Annib.
174	AD
191	17th Cent.
195	00
422	Europe
431	Italy
585	Mythological

NO. 49 TITLE The Fortune Teller

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
130	Caravaggio		
174	AD		
190	16th Cent.		
422	Europe		
431	Italy		
524	Genre		
623	Louvre, Paris		
3	Clothing		
499	Figure		
511	Other		
296	AD		
312	16th Cent.		
464	Italy/Sicily		
483	Allegorical		
586	Portrait		
589	Group		

NO. 50 TITLE The Death of the Virgi

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
130	Caravaggio		
174	AD		
191	17th Cent.		
422	Europe		
431	Italy		
485	Bib./Rel.		
623	Louvre, Paris		
295	BC		
297	1st Cent.		
296	AD		
476	Syria/Palestine		
499	Figure		
505	Clerics		
586	Portrait		
589	Group		
594	Religious		

NO. 51 TITLE Cleopatra

IDENTIFIER TERMS

NO.			
35	Painting	297	1st Cent.
39	Portable	386	69
668	Oil	347	30
143	Reni	474	Egypt
174	AD		
191	17th Cent.		
235	40		
422	Europe		
431	Italy		
586	Portrait		
587	Single		
501	Queen		
499	Figure		
639	Pitti Palace		
526	Lit. Authors		
531	Dryden		
568	Drama		
569	Tragedy		
295	BC		

NO. 52 TITLE The Last Communion of St. Jerome

IDENTIFIER TERMS

NO.			
35	Painting	586	Portrait
39	Portable	589	Group
668	Oil	594	Religious
136	Domenichino		
174	AD		
191	17th Cent.		
209	14		
422	Europe		
431	Italy		
485	Bib./Rel.		
641	Vatican		
296	AD		
298	2		
357	40		
299	3		
337	20		
476	Palestine		
499	Figure		
505	Clerics		

NO. 53 TITLE St. William Receiving the Habit

IDENTIFIER TERMS

NO.			
35	Painting	594	Religious
39	Portable	604	Weaponry
668	Oil	606	Armor-man
139	Guercino		
174	AD		
191	17th Cent.		
215	20		
422	Europe		
431	Italy		
485	Bib./Rel.		
296	AD		
349	32		
306	10		
361	44		
458	England		
485	Biblical -		
	Religious		
499	Figure		
505	Clerics		
507	Military		
586	Portrait		
589	Group		

NO. 54 TITLE The Glorification of the Reign of Pope Urban VIII

IDENTIFIER TERMS

NO.			
35	Painting		
36	Ceiling		
671	Fresco		
135	DaCortona		
174	AD		
191	17th Cent.		
234	39		
422	Europe		
431	Italy		
485	Bib./Rel.		
296	AD		
310	14		
385	68		
311	15		
361	44		
486	Buildings		
487	Palace		
585	Mythological		
594	Religious		

NO. 55 TITLE The Age of Gold (Ovid's Metamorphoses-4 Ages of Man)

IDENTIFIER TERMS

NO.			
35	Painting	499	Figures
38	Mural	511	Other
671	Fresco	585	Mythological
135	da Cortona	586	Portrait
174	AD	589	Group
191	17th Cent.		
232	37		
422	Europe		
431	Italy		
639	Pitti		
526	Lit.Authors		
535	John Milton		
560	Poetry		
295	BC)		
297	43) Ovid		
296	AD)		
297	17)		
464	Italy		
483	Allegorical		

NO. 56 TITLE The Ecstasy of St. Theresa

IDENTIFIER TERMS

NO.			
49	Sculpture		
50	Free standing		
675	Stone		
682	Metal		
128	Bernini		
174	AD		
191	17th Cent.		
244	45-52		
422	Europe		
431	Italy		
485	Bib/rel.		
296	AD		
312	16		
332	15		
399	82		
463	Iberian Penin.		
499	Figure		
505	Cleric		

NO. 57 TITLE The Lost Silver

IDENTIFIER TERMS

NO.	
35	Painting
39	Portable
668	Oil
137	Fetti
174	AD
191	17th Cent.
213	18
422	Europe
431	Italy
485	Bib/rel.
639	Pitti
296	AD
313	17th Cent.
464	Italy
493	Non-royal hab.
499	Figure
511	Other
586	Portrait
587	Single

NO. 58 TITLE Musical Instruments

IDENTIFIER TERMS

NO.	
35	Painting
39	Portable
668	Oil
127	Baschenis
174	AD
191	17th Cent.
422	Europe
431	Italy
596	Still Life
612	Royal Mus.
584	Musical
296	AD
313	17th Cent.
464	Italy

NO. 59 TITLE St. Stephen's Waldbrook, London

IDENTIFIER TERMS

NO.	
17	Architecture
19	Domes
677	Interiors
678	Wren
174	AD
191	17th Cent.
422	Europe
425	British Isles
486	Buildings
491	Churches

NO. 60 TITLE Dome of the Chapel of the Holy Shroud

IDENTIFIER TERMS

NO.	
17	Architecture
19	Domes
677	Interiors
686	Guarini
174	AD
191	17th Cent.
422	Europe
431	Italy
486	Building
491	Churches

NO. 61 TITLE View of the Chateau of Versailles

IDENTIFIER TERMS

NO.	
17	Architecture
18	Aerial view
174	AD
191	17th Cent.
422	Europe
427	Gaul/France
486	Buildings
487	Palace

NO. 62 TITLE Hampton Court, Park Facade

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
678	Wren
174	AD
191	17th Cent.
284	89
422	Europe
425	British Isles
486	Buildings
487	Royal Palace
22	Landscape
526	Lit.Authors
560	Poetry

NO. 63 TITLE Chelsea Hospital, Facade

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
678	Wren
174	AD
191	17th Cent.
281	82-9
422	Europe
425	British Isles
486	Buildings
688	Other
488	Gov't Bldg.

NO. 64 TITLE Facade of Sta Maria Della Pace

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
135	da Cortona
174	AD
191	17th Cent.
422	Europe
431	Italy
486	Buildings
491	Churches

NO. 65 TITLE Facade of S. Marcello Al Corso, Rome

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
687	Fontana
174	AD
191	17th Cent.
422	Europe
431	Italy
486	Buildings
491	Churches

NO. 66 TITLE Syon House, Brentford Pool and Garden

IDENTIFIER TERMS

NO.	
17	Architecture
19	Dome
20	Elevation
22	Landscape
174	AD
191	17th Cent.
422	Europe
425	British Isles
486	Buildings
493	Non-royal
526	Lit. Authors
560	Poetry

NO. 67 TITLE St. Paul's Cathedral, View of Dome

IDENTIFIER TERMS

NO.	
17	Architecture
19	Dome
20	Elevation
174	AD
191	17th Cent.
192	18th Cent.
422	Europe
425	British Isles
491	Churches

NO. 68 TITLE The Church of the Invalides, Paris

IDENTIFIER TERMS

NO.	
17	Architecture
19	Dome
20	Elevation
174	AD
191	17th Cent.
192	18th Cent.
422	Europe
170	Mansart, J.H.
427	Gaul/France
486	Buildings
491	Churches
	(Mausoleum)
	(Napoleon)

NO. 69 TITLE The East Front of the Louvre, Paris

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
191	17th Cent.
265	70
	Claude Perrault
427	Gaul/France
486	Buildings
487	Palaces & Exec. Res.
489	Museums

NO. 70 TITLE St. Vedast Church

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
23	Steeple
678	Wren
174	AD
191	17th Cent.
292	97
422	Europe
425	British Isles
486	Buildings
491	Churches

NO. 71 TITLE Wilton House aft. 1647

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
104	Inigo Jones
191	17th Cent.
190	16th Cent.
245	50
422	Europe
425	British Isles
486	Buildings
493	Non-royal hab.
526	Lit.Authors
535	John Milton
537	Shakespeare

NO. 72 TITLE St. Paul's Cathedral, South Side

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
678	Wren
174	AD
191	17th Cent.
192	18th Cent.
422	Europe
425	British Isles
486	Buildings
491	Churches

NO. 73 TITLE The Orleans Wing of the Chateau of Blois

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
89	F. Mansart
174	AD
191	17th Cent.
422	Europe
427	Gaul/France
486	Buildings
487	Palaces & Exec.Res.
493	Non-royal Hab.

NO. 74 TITLE The Queen's House

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
104	Inigo Jones
174	AD
191	17th Cent.
422	Europe
425	British Isles
487	Palaces
486	Buildings

NO. 75 TITLE Chateau Maisons Laffitte 2nd Floor Gallerie

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
677	Interiors
89	F. Mansart
174	AD
191	17th Cent.
241	46
422	Europe
427	Gaul/France
486	Buildings
493	Non-royal Hab.
526	Lit.Authors
531	John Dryden
535	John Milton

NO. 76 TITLE Vaux-le-Vicomte Chateau toward garden

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
22	Landscaping
77	LeVau
174	AD
191	17th Cent.
254	59
422	Europe
427	Gaul/France
486	Buildings
493	Non-royal hab.
526	Lit.Authors
560	Poetry

NO. 77 TITLE Hatfield House from Jacobean Garden

IDENTIFIER TERMS

NO.			
17	Architecture		
20	Elevation		
22	Landscaping		
	Robert Lyminge		
174	AD		
191	17th Cent.		
204	09		
422	Europe		
425	British Isles		
486	Buildings		
493	Non-royal hab.		
526	Lit.Authors		
533	Ben Jonson		
535	John Milton		

NO. 78 TITLE Garden Facade Versailles

IDENTIFIER TERMS

NO.			
17	Architecture		
20	Elevation		
22	Landscaping		
	Architects - See Below		
174	AD		
191	17th Cent.		
422	Europe		
427	Gaul/France		
486	Buildings		
487	Palaces		
		169	LeVau
		170	J.H.Mansard
		166	LeBrun
			Gabriel

NO. 79 TITLE Mars & Venus

IDENTIFIER TERMS

NO.			
526	Lit. Authors	589	Group
535	John Milton		
560	Poetry		
35	Painting		
39	Portrait		
668	Oil		
91	Poussin		
191	17th Cent.		
228	33		
422	Europe		
427	Gaul/France		
585	Mythological		
653	Mus.Fine Arts		
	Boston		
295	BC		
483	Allegorical		
499	Figures		
511	Other		
586	Portrait		

NO. 80 TITLE Head of Cyrus

IDENTIFIER TERMS

NO.			
35	Painting	506	Bureaucrats
39	Portrait	507	Military
668	Oil	586	Portrait
68	Rubens	589	Group
191	17th Cent.		
217	22		
422	Europe		
432	Northeast Eur.		
653	Mus.FineArts		
	Boston		
174	AD		
295	BC		
301	4		
341	24		
318	01		
456	Asia Minor		
483	Allegorical		
499	Figure		
503	Ministers		

NO. 81 TITLE The Upper Belvedere

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
192	18
216	21
	Von Hildebrandt
465	Northeast Eur.
486	Buildings
487	Palaces

NO. 82 TITLE Louvre

IDENTIFIER TERMS

NO.	
17	Architecture
677	Interior
5	Frames
1	Applied Art
174	AD
486	Buildings
487	Palaces

NO. 83 TITLE Salon De Venus

IDENTIFIER TERMS

NO.	
17	Architecture
677	Interior
1	Applied Art
5	Frames
35	Painting
36	Ceiling
174	AD
166	LeBrun

NO. 84 TITLE Landscape

IDENTIFIER TERMS

NO.	
526	Lit.Authors
535	Milton
537	Shakespeare
565	Pastoral
120	Van Goyen
35	Painting
39	Portrait
668	Oil
422	Europe
432	Northeast Eur.
191	17th Cent.
525	Landscape
174	AD
296	AD
313	17th Cent.
460	Gaul/France
486	Buildings
494	Cities,towns,etc.
499	Figure

NO. 85 TITLE The Infanta Margarita in Blue

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portrait		
668	Oil		
159	Velasquez		
191	17th Cent.		
422	Europe		
430	Iberian Pen.		
499	Figure		
502	Royal		
586	Portrait		
587	Single		
3	Clothing		
174	AD		
296	AD		
313	17th Cent.		
368	51		
390	73		
501	Queen		

NO. 86 TITLE Philip IV of Spain

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portrait		
668	Oil		
159	Velasquez		
191	17th Cent.		
422	Europe		
430	Iber.Penin.		
499	Figure		
500	King		
586	Portrait		
587	Single		
3	Clothing		
498	Equestrian		
174	AD		
296	AD		
313	17th Cent.		
322	05		
382	65		
604	Weaponry		
606	Armor-man		

NO. 87 TITLE Door Piece (close-up) Fontainebleau, France

IDENTIFIER TERMS

NO.			
0	Detail		
1	Applied Art		
6	Furniture		
174	AD		
	Mannerist *		
312	16th Cent.		
486	Buildings		
489	Mus.Lib.Mus.		

* School of Fontainebleau
Probably Primaticcio

NO. 88 TITLE The Brotherhood of Crossbowmen

IDENTIFIER TERMS

NO.			
35	Painting	604	Weaponry
39	Portrait		
117	vanderHelst		
668	Oil		
191	17th Cent.		
272	77		
422	Europe		
432	Northeast Eur.		
623	Louvre		
499	Figure		
5	Frames		
174	AD		
296	AD		
313	17th Cent.		
460	Gaul/France		
490	Mercantile Est.		
511	Other		
586	Portrait		
589	Group		

NO. 89 TITLE Boy Singing

IDENTIFIER TERMS

NO.			
114	Terbrugghen		
296	AD		
313	17th Cent.		
428	Germany		
499	Figure		
511	Other		
584	Musical		
586	Portrait		
587	Single		

NO. 90 TITLE Rest on Flight into Egypt

IDENTIFIER TERMS

NO.			
684	deGelder		
35	Painting		
39	Portrait		
668	Oil		
191	17th Cent.		
263	68		
422	Europe		
432	Northeast Eur.		
653	Mus.FineArts Boston		
485	Bib/Rel.		
174	AD		
296	AD		
297	1st Cent.		
469	Syria/Pal.		
499	Figure		
505	Bib.Figures		
586	Portrait		
589	Group		
594	Religious		

NO. 91 TITLE Don Baltasar Carlos & His Dwarf

IDENTIFIER TERMS

NO.			
35	Painting	363	46
39	Portrait	586	Portrait
668	Oil	589	Group
191	17th Cent.		
226	31		
422	Europe		
159	Velasquez		
430	Iber.Pen.		
499	Figure		
502	Royal		
14	Textiles		
1	Applied Art		
3	Clothing		
653	Mus.FineArts Boston		
174	AD		
296	AD		
313	17th Cent.		
346	29		

NO. 92 TITLE Dutch Cook

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
685	Metsu		
191	17th Cent.		
422	Europe		
432	Northeast Eur.		
524	Genre		
623	Louvre		
174	AD		
296	AD		
313	17th Cent.		
460	Gaul/France		
493	Non-royal hab.		
499	Figure		
511	Other		
586	Portrait		
587	Single		

NO. 93 TITLE The Crucifixion

(Dutch - Anon.)

IDENTIFIER TERMS

NO.	
35	Painting
39	Portrait
668	Oil
191	17th Cent.
422	Europe
432	Northeast Eur.
485	Bib./Rel.
653	Mus.FineArt
	Boston
174	AD
526	Lit.Authors
530	John Donne
563	Sonnet
296	AD
297	1st Cent.
351	34
469	Syria/Pal.
499	Figure
505	Bib.Figure
586	Portrait
589	Group
594	Religious

NO. 94 TITLE Hotel de Sully

Rue St. Antoine

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
191	17th Cent.
219	24
486	Buildings
487	Palaces & Exec. Res.

NO. 95 TITLE Mevr. Johannes Elison

IDENTIFIER TERMS

NO.	
35	Painting
39	Portrait
668	Oil
109	Rembrandt
191	17th Cent.
229	34
422	Europe
432	Northeast Eur.
499	Figure
586	Portrait
587	Single
653	Mus.Fine Art
	Boston
3	Clothing
14	Textiles
174	AD

NO. 96 TITLE Chateau Maisons -

Laffitte, Gobelin Tapestry

IDENTIFIER TERMS

NO.	
17	Architecture
677	Interior
89	Mansart, F.
174	AD
191	17th Cent.
241	46
422	Europe
427	Gaul/France
486	Buildings
493	Non-royal-hab.
13	Tapestry

NO. 97 TITLE The Louvre - The Flora Pavilion

IDENTIFIER TERMS

NO.			
17	Architecture		
20	Elevation		
22	Landscape		
174	AD		
191	17th Cent.		
486	Buildings		
487	Palace & Exec.Res.		

NO. 98 TITLE The Carousel Arch

IDENTIFIER TERMS

NO.			
17	Architecture		
20	Elevation		
174	AD		
	Percier & Fontaine		
486	Buildings		

NO. 99 TITLE Twelfth-Night Feast

IDENTIFIER TERMS

NO.			
35	Painting	511	Other
39	Portrait	586	Portrait
668	Oil	589	Group
111	Jan Steen	590	Recreational
191	17th Cent.		
257	62		
422	Europe		
432	Northeast Eur.		
524	Genre		
653	Mus.FineArt		
	Boston		
174	AD		
296	AD		
313	17th Cent.		
450	Gaul/France		
483	Allegorical		
486	Buildings		
490	Shops		
499	Figures		

NO. 100 TITLE Luis de Gongora y Argot

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portrait		
668	Oil		
159	Velasquez		
191	17th Cent.		
217	22		
422	Europe		
430	Iber. Penin.		
586	Portrait		
587	Single		
653	Mus.FineArt		
	Boston		
174	AD		
296	AD		
378	61		
313	17th Cent.		
344	27		
499	Figure		
508	Poet		

NO. 101 TITLE Mulay Ahmad

IDENTIFIER TERMS

NO.		NO.	
35	Painting	499	Figures
39	Portrait	500	Kings
668	Oil		
68	Rubens		
191	17th Cent.		
293	98		
422	Europe		
432	Northeast Eur.		
526	Lit.Authors		
531	John Dryden		
568	Drama		
586	Portrait		
587	Single		
653	Mus.FineArt		
	Boston		
3	Clothing		
174	AD		
296	AD		
313	17th Cent.		
390	73		
353	36		
456	Asia,Minor		

NO. 102 TITLE Fontainebleau

Salon of Louis XIII

IDENTIFIER TERMS

NO.			
17	Architecture		
677	Interiors		
1	Applied Art		
5	Frames		
6	Furnishings		
174	AD		
191	17th Cent.		
486	Buildings		
487	Palaces & Exec.Res.		

NO. 103 TITLE Fray Felix Hortension

Pravicino

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portrait		
668	Oil		
151	El Greco		
191	17th Cent.		
204	09		
422	Europe		
430	Iber. Penin.		
485	Bib/Rel.		
586	Portrait		
587	Single		
653	Mus.FineArt		
	Boston		
174	AD		

NO. 104 TITLE Hall of Mirrors,

Amalienburg Palace at Munich

IDENTIFIER TERMS

NO.			
17	Architecture		
677	Interiors		
1	Applied Art		
6	Furnishings		
174	AD		
	DeCuvillies, Francois		
486	Buildings		
487	Palaces,Exec.Res.		
192	18th Cent.		
461	Germany		

NO. 105 TITLE Cheverny, Chateau

(Interior Staircase)

IDENTIFIER TERMS

NO.	
17	Architecture
677	Interior
174	AD
191	17th Cent.
422	Europe
427	Gaul/France
486	Buildings
493	Non-royal hab.

NO. 106 TITLE Chelsea Hospital -

Courtyard

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
191	17th Cent.
281	86
678	Wren
422	Europe
425	Brit.Isles
486	Buildings
688	Other

NO. 107 TITLE Hampton Court

(Garden Facade)

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
22	Landscape
678	Wren
422	Europe
425	British Isles
486	Buildings
174	AD
191	17th Cent.
284	89
486	Buildings
487	Palaces & Exec.Res.
526	Alexander Pope
560	Poetry

NO. 108 TITLE Luxembourg Palace

(Garden Front)

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
22	Landscape
88	deBrosse
174	AD
191	17th Cent.
210	15
422	Europe
427	Gaul/France
486	Building
487	Palace & Exec.Res.

NO. 109 TITLE Church of St. Paul & St. Louis

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
	Derrand
174	AD
191	17th Cent.
229	34
422	Europe
427	Gaul/France
486	Buildings
491	Churches

NO. 110 TITLE Vaux-le-Vicomte Chateau Garden Side

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
169	LeVau
174	AD
191	17th Cent.
254	59
422	Europe
427	Gaul/France
486	Buildings
493	Non-royal hab.

NO. 111 TITLE Church of Val de Grace (Facade)

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
191	17th Cent.
240	45
89	Mansart, F.
167	Lemercier
427	Gaul/France
486	Buildings
491	Churches

NO. 112 TITLE St. John's College, 3rd Court with Bridge of Sigh

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
191	17th Cent.
458	Brit.Isles
486	Buildings
489	Mus.Lib.Univ.
526	Lit.Authors
535	John Milton

NO. 113 TITLE General View of Piazza

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
191	17th Cent.
128	Bernini
464	Italy/Sicily
486	Buildings
491	Churches

NO. 114 TITLE Ham House (Exterior)

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
22	Landscape
191	17th Cent.

Note: Period of Artisan Mannerism

NO. 115 TITLE Whitehall, Banquesting Hall

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
191	17th Cent.
104	Inigo Jones
458	Brit.Isles
486	Buildings
487	Pal. & Exec.Res.
526	Lit.Authors
533	Jonson,Ben
535	Milton,John

NO. 116 TITLE Boy Singing

IDENTIFIER TERMS

NO.	
35	Painting
39	Portable
668	Oil
114	Terbrugghen
191	17th Cent.
222	27
422	Europe
432	Northeast Eur.
524	Genre
584	Musical
586	Portrait
587	Single
653	Mus.FineArt
	Boston
174	AD

NO. 117 TITLE Shepherds of Arcady

IDENTIFIER TERMS

NO.	
35	Painting
39	Portrait
668	Oil
91	Poussin
191	17th Cent.
422	Europe
427	Gaul/France
483	Allegorical
526	Lit.Authors
535	John Milton
565	Pastoral
623	Louvre
15	Tombs
174	AD
296	AD
313	17th Cent.
460	Gaul/France
499	Figures
511	Other
585	Mythological
586	Portrait
589	Group

NO. 118 TITLE Cheverny, Chateau, Guardroom

IDENTIFIER TERMS

NO.	
17	Architecture
677	Interiors
6	Furnishings
5	Frames
174	AD
191	17th Cent.
422	Europe
427	Gaul/France
486	Buildings
493	Non-royal hab.
604	Weaponry
608	Hand weapons

NO. 119 TITLE Tanlay, Grand Chateau

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
191	17th Cent.
82	LeMuet
422	Europe
427	Gaul/France
486	Buildings
493	Non-royal hab.

NO. 120 TITLE Sheldonian Theater (Facade)

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
678	Wren
174	AD
191	17th Cent.
422	Europe
425	Brit.Isles
257	62
486	Buildings
489	Mus.Lib.Univ.

NO. 121 TITLE St. Louis des Invalides

(Interior)

IDENTIFIER TERMS

NO.	
17	Architecture
677	Interior
170	Mansart, J.H.
174	AD
191	17th Cent.
192	18
422	Europe
427	Gaul/France
486	Buildings
491	Churches

NO. 122 TITLE Chateau-de-Rosny

(Garden Side)

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
191	17th Cent.
195	00
422	Europe
427	Gaul/France
486	Buildings
493	Non-royal hab.

NO. 123 TITLE Cour Royale with Chapel

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
170	Mansart, J.H.
174	AD
191	17th Cent.
422	Europe
427	Gaul/France
486	Buildings
487	Palaces & Exec.Res.

NO. 124 TITLE Queen's House

(Exterior)

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
104	Inigo Jones
422	Europe
425	Brit.Isles
174	AD
191	17th Cent.
281	86
486	Buildings
487	Palaces & Exec.Res.

NO. 125 TITLE Hatfield House (South Front)

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
191	17th Cent.
206	11
422	Europe
425	Brit.Isles
486	Buildings
493	Non-royal Hab.

NO. 126 TITLE Vaux-le-Vicomte, Gardens: Le Notre

IDENTIFIER TERMS

NO.	
17	Architecture
22	Landscape
174	AD
191	17th Cent.
254	59
422	Europe
427	Gaul/France
77	LeVau
49	Sculpture
675	Stone

NO. 127 TITLE Cheverny, Chateau (Dining Room Mantel)

IDENTIFIER TERMS

NO.	
1	Applied Art
5	Frames
6	Furnishings
17	Architecture
677	Interiors
174	AD
191	17th Cent.
422	Europe
427	Gaul/France
486	Buildings
493	Non-royal hab.

NO. 128 TITLE Chateau Maisons-Laffitte (Facade)

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
191	17th Cent.
241	46
422	Europe
427	Gaul/France
89	Mansart, F.
486	Buildings
493	Non-royal hab.

NO. 129 TITLE Syon House,

Brentford

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
191	17th Cent.
	Architect -
	Moses Glouer
261	66
422	Europe
425	Brit.Isles
486	Buildings
493	Non-royal hab.

NO. 130 TITLE Grand Trianon,

Versailles

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
22	Landscaping
170	Mansart, J.H.
174	AD
191	17th Cent.
282	87
422	Europe
427	Gaul/France
486	Buildings
487	Palace & Exec.Res.
526	Lit.Authors

NO. 131 TITLE Carnavalet Museum, entrance court - Bruant's facade (left)

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
191	17th Cent.
253	58
422	Europe
427	Gaul/France
486	Buildings
489	Museum
	Bruant, Jacques, Arch.

NO. 132 TITLE Cheverny, Chateau

King's Bedroom

IDENTIFIER TERMS

NO.	
17	Architecture
677	Interior
174	AD
191	17th Cent.
422	Europe
427	Gaul/France
486	Buildings
487	Palaces & Exec.Res.
6	Furnishings
5	Frames
526	Lit.Authors
535	John Milton

NO. 133 TITLE Trinity College Library

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
678	Wren
174	AD
191	17th Cent.
276	80
422	Europe
4[illegible]5	Brit. Isles
1[illegible]6	Buildings
489	Mus.Lib.Univ.

NO. 134 TITLE Cheverny, Chateau (Facade)

IDENTIFIER TERMS

NO.	
17	Architecture
20	Elevation
174	AD
191	17th Cent.
422	Europe
427	Gaul/France
486	Buildings
487	Palaces & Exec.Res.

NO. 135 TITLE Marquesa de la Solana

IDENTIFIER TERMS

NO.	
3	Clothing
35	Painting
39	Portable
668	Oil
	Goya
192	18th Cent.
287	92
422	Europe
430	Iberian
499	Figure
502	Royal
586	Portrait
587	Single
526	Lit.Authors
551	Fiction (Dark Lady)
623	Louvre
174	AD

NO. 136 TITLE Cheverney, Chateau (Great Salon)

IDENTIFIER TERMS

NO.	
17	Architecture
677	Interior
174	AD
191	17th Cent.
422	Europe
427	Gaul/France
486	Building
493	Non-royal hab.
1	Applied Art
5	Frames
6	Furnishings

NO. 137 TITLE Cheverny, Chateau and Grounds

IDENTIFIER TERMS

NO.			
17	Architecture		
20	Elevation		
174	AD		
191	17th Cent.		
422	Europe		
427	Gaul/France		
486	Buildings		
493	Non-royal hab.		

NO. 138 TITLE Church of St. Gervais, Paris, facade

IDENTIFIER TERMS

NO.			
17	Architecture		
20	Elevation		
174	AD		
191	17th Cent.		
211	16		
88	deBrosse		
422	Europe		
427	Gaul/France		
486	Buildings		
491	Churches		
485	Bib./Rel.		

NO. 139 TITLE Cardinal Richelieu

IDENTIFIER TERMS

NO.			
35	Painting	594	Religious
39	Portrait		
668	Oil		
78	deChampaigne		
191	17th Cent.		
422	Europe		
427	Gaul/France		
485	Bib./Rel.		
499	Figure		
505	Clerics		
586	Portrait		
587	Single		
3	Clothes		
174	AD		
296	AD		
402	85		
313	17th Cent.		
359	42		
460	Gaul/France		

NO. ___ TITLE

IDENTIFIER TERMS

NO.			

APPENDIX D

A SEARCH AND RETRIEVAL SYSTEM
FOR MEDIA PERIODICALS
DESCRIBING A MANUAL SEARCH AND RETRIEVAL SYSTEM

A Search and Retrieval System for Media Periodicals

Robert M. Diamond

A major resource for individuals in the field of instructional communications is the wide variety of professional publications serving the area. While the ERIC Clearinghouse in Media at Stanford is abstracting and developing a retrieval system for research publications and individual documents, it does not cover material found in journals and professional magazines. Present periodical indexing systems using broad categories are of little help to the individual seeking information related to a specific area of interest.

Realizing the importance of this vast resource, the Commission on Information Science of DAVI has proposed a search and retrieval system designed specifically for media journals and periodicals. The proposed system has the following advantages:

- It permits the user to use specific search terms. For example, all articles on the use of films with culturally disadvantaged elementary children in urban areas can be identified in one operation, with only those articles *combining* these topics being indicated.
- It is quick and easy to use. All articles in a library directly related to the topic can be identified and located in a few minutes.
- It is flexible. New search terms can be added as needed. Specialized publications and libraries are able to add specific terms designed to meet their unique needs. (A series of search terms in television and radio for the *NAEB Journal* and in computer science for the *Data Processing Journal*, etc.)
- It can be used with optical-manual or computerized retrieval systems. An optical-manual system can be implemented by any school district, college, or media center for an equipment and material investment of under $2,000. With cooperation between units, this cost can be reduced by 75 percent.

TABLE I—Proposed Content Identifiers

	GENERAL
1	Bibliography
2	Evaluation
3	Granting Agencies
4	Media Centers
5	Search and Retrieval
6	Systems Design
7	Survey
8	Research
9	Rural
10	Utilization
11	Urban
12	*MEDIA ADMINISTRATION*
13	Administration
14	Audiovisual Services
15	Budget
16	Equipment
17	Facilities
18	Production (development)
19	Staffing
	GRADE LEVEL
20	Pre-school
21	K-6
22	7-9
23	10-12
24	Junior College and Lower Division
25	Upper Division
26	Graduate
27	Adult-Continuing Education
28	Non-graded
29	In-Service, Teacher
	STUDENT VARIABLES
30	Ability, Low
31	Ability, High
32	Culturally Disadvantaged
33	Grouping, Homogeneous
34	Grouping, Heterogeneous
35	Handicapped; Blind, Deaf, other
36	Low Achievers
37	Motivation
	MEDIA
38	Academic Games
39	Audio, Disc
40	Audio, Tape
41	Carrels, Media
42	Computer
43	Computer-Assisted Instruction
44	Computer-Directed Instruction
45	Dial Access
46	Film, 8mm
47	Film, 16mm
48	Filmstrip
49	Microteaching
50	Multimedia
	MEDIA, continued
51	Overhead Transparencies
52	Programed Instruction
53	Radio
54	Silent
55	Sound
56	Slides
57	Television, Educational
58	Television, Instructional
59	Television, Overhead (Single Room)
60	Video Recording
61	*TEACHING CONFIGURATIONS*
62	Independent Study
63	Small Group
64	Large Group
	SUBJECTS
65	Art and Architecture
66	Audiovisual
67	Biological Science
68	Composition
69	Computer Science
70	Curriculum
71	Economics
72	Education
73	Educational Theories
74	English Literature
75	Geography
76	History
77	Humanities
78	Information Science
79	Industrial Arts
80	International Education
81	Languages
82	Language Arts
83	Library Science
84	Mathematics
85	Music
86	Nursing
87	Medical, Dental
88	Philosophy
89	Physical Education, Health & Recreation
90	Physical Science
91	Political Science
92	Psychology
93	Reading
94	Science, General
95	Statistics
96	Teacher Training
97	Technology
98	Vocational Education

- It is possible and practical for past issues to be read and indexed with a complete deck of search cards covering from four to eight publications being reproduced photographically and sold to media libraries at cost.
- The same system can be applied to all media publications and can provide, if publications outside of DAVI are willing to cooperate, a single indexing system for the entire field.

The basic system being recommended was first developed by the Office for the Study of Instruction at the University of Miami in Coral Gables, Florida, (See "A Storage and Retrieval System for Documents in Instructional Resources," Robert M. Diamond with Berta Grattan Lee), then modified by the Instructional Resources Center at the State University College in Fredonia, New York. Experience has shown that most users do not require an extensive content identifier list (the original now has over 750 terms). For ease of operation the list, therefore, has been reduced to approximately 100 terms. This reduction not only lowers the expense of implementation, but markedly simplifies the use of the system.

The system itself has three components: first, the assignment of content identifiers to each article; second, collection organization; and third, search and retrieval.

A major problem facing an individual interested in locating materials that contain information directly associated with his needs is that titles are often vague and misleading and that most indexing systems are extremely general. For example, a teacher interested in what has been written about projects using programed instruction to teach mathematics to high ability sixth grade culturally disadvantaged urban students would be faced with the task of searching through all those articles listed under programed instruction to find those articles dealing with his specific topic of interest. In the proposed system, however, this teacher would simply combine the following six identifiers: programed instruction, mathematics, high ability, sixth grade, culturally disadvantaged, and urban, and would immediately be directed to only those articles that were indicated as having content that combined these six areas.

The importance of the identifier list thus becomes obvious. The terms in the list must be selected to cover the major needs of individuals using the materials and yet be short enough to permit relatively easy use. A tentative list of proposed content identifiers will be found in Table I.

This list has been organized to cover the main areas of the field with general grouping used to permit easy use. As noted in the introduction, additional terms may be added and inserted anywhere in the system without difficulty.

Identifiers would be assigned to major articles by the author, subject to review by the editors. While some articles may require as many as 20 identifiers, the average is approximately five or six, with articles based on specific research running slightly higher. Examples of the proposed list applied to articles in *Audiovisual Instruction* and *AV Communication Review* will be found in Table II. It is proposed that the identifiers be included within the indexes of the individual publications.

Two numbers are basic to the system. First, each article selected for inclusion in the system is given a search number. Since most optical systems are limited to 10,000 items, each series would fall within this range. When the number of items passes 10,000, an additional system is added. It is, therefore, possible to combine several periodicals in the same system by assigning several thousand search terms to each. For example, *Audiovisual Instruction* averages seven major articles per issue, *AV Communication Review* approximately five, *Educational Technology*, four, *AV Guide*, six, and *Educational Broadcasting Review*, eight. Thus 20 years of these five publications could be contained in a single system that might be divided as follows:

PERIODICAL FILE

Number 2157 | Title: Role of Peer Influence and Aspects of Group Use of Programed Materials

Author: Robert L. Crist

Periodical: AV Communications Review Vol.No.15 No. 4 Page No 423

Published by: Department of Audiovisual Instruction

CROSS FILING

Name	No.	Name	No.	Name	No
Evaluation	2	Small Group	63		
Research	8	Information Science	78		
Jr. College & Lower Division	24				
Grouping, Homogeneous	33				
Programed Instruction	52				
Independent Study	62				

TABLE II—Content Identifiers Applied to AVI and AVCR

Audiovisual Instruction, Vol. 11, No. 4, April 1966

1. Page 242 Apprentice or Sorcerer? Which Role for the Educational Broadcaster? by Henry C. Alter
   Evaluation; Adult-Continuing Education; Television, Educational; Television, Instructional
2. Page 246 Materials Systems for Adult Basic Education, by Monroe C. Neff
   Evaluation (2); Systems Design (6); Adult, Non-Graded (27, 28); Multimedia (50)

AV Communication Review, Vol. 15, No. 4, Winter 1967

3. Page 345 Multimedia Systems: A Review and Report of a Pilot Project, by Daniel Smith, Morton Schagrin, and L. Eugene Poorman
   Research; Evaluation; Grade Level 10-12; High Ability; Multimedia; Independent Study; Physical Science
4. Page 402 Instructional Product Development: Two Approaches to Training, by W. James Popham
   Research (8); Production (development) (18); Graduate Level (26); Inservice Teacher Training (29); Programed Instruction (52); Heterogeneous Grouping (34)

(Examples 2 and 4 give both the identifier and its number as given in Table I)

Twenty-Year Search Term Assignments

Audiovisual Instruction	0-1999
AV Communication Review	2000-2499
Educational Technology	2500-4499
AV Guide	4500-6499
Educational Broadcasting Review	6500-8499
Additional periodicals or items added locally	8500-9999

Each content identifier is also given an identification number with numbers being consecutive and new terms simply being given the next number available.

Briefly, if any optional search system is being used, the process is as follows. For our example we will use the following article as it might appear in the index of *AV Communication Review*.

2157 Role of Peer Influence and Aspects of Group Use of Programed Materials . . . Robert L. Crist **423**
(2, 8, 24, 33, 53, 62, 63, 78)
Content Identifier Numbers

Search Number (Editors may prefer listing by name and number) **Page Number**

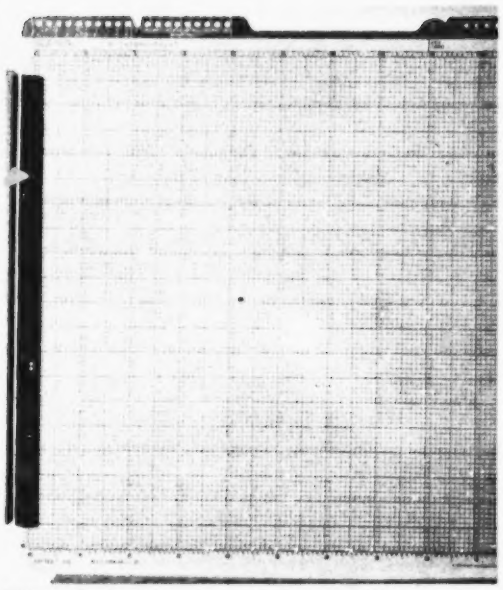
1. If desired, a standard author and title card is prepared.
2. A search card is typed. This would look as follows:
3. In a single operation, the search number (2157) is punched into the content identifier cards (see illustration 1) of the identifiers selected for the document. Each identifier has its own card with a grid system of 10,000 numbers (see illustration 2).

Retrieval

The retrieval sequence for users of the system is not only rapid but easy to learn and consists of these basic steps:

1. The user first selects from the list of search terms those which meet his needs. (Illustration 3.)
2. He then places the selected identifier cards together on a light box to find numbers of those articles which have been identified to contain *all* the topics he has selected. (Illustration 4.)

1 In a single operation the search number for the individual article is punched into the content identifier cards of the identifiers selected for that document.



2 Identifier cards have a grid system of 10,000 numbers. There is one identifier card for each identifier term used in the system. Holes represent documents which have the particular identifier term assigned. In this particular card, each hole represents an article concerning the elementary grades.

3. The articles are then located in the collection. Since periodicals are shelved numerically by their retrieval number, locating a specific article is simple. Users wishing to have additional information before going to the shelves may use the typed search card to find author, title, and the complete list of identifiers under which the article is filed.

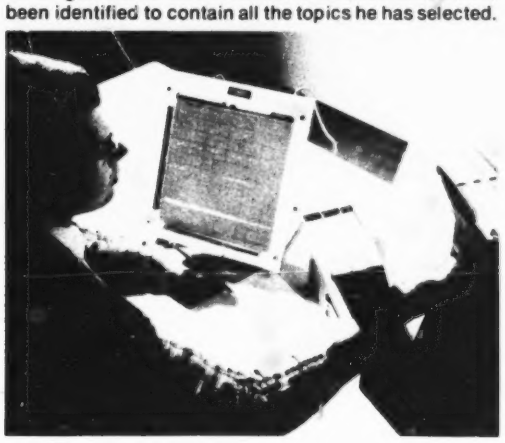
In a computer based system, the search number would simply be typed on the terminal with an immediate printout of the identified articles being obtained. The computerized system has the added potential of providing brief abstracts of each article.

The DAVI Commission on Information Science believes that the proposed system would provide the media profession with a highly efficient method of retrieving a broad spectrum of written resources at a price within the range of most budgets. The use of content identifiers in the index of the periodicals and journals would, by itself, be of major assistance to individuals desiring specific information in this rapidly growing field of instructional technology. It is for this reason that this system has been proposed for adoption.

Robert M. Diamond is Director of the Instructional Resources Center, State University College, Fredonia, New York.

3 The user first selects from the list of search terms those which meet his needs.

4 He then places the selected identifier cards together on a light box to find numbers of articles which have been identified to contain all the topics he has selected.



Photos by T. L. Lindquist